

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A method of integrating characterization information associated with a target image for use with a color reproduction device comprising:

obtaining a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch, which is used by the color reproduction device to create the target image;

updating the entry in the measurement store to include spatial information of the color patch in the target image, the spatial information relates to a position of the color patch;

obtaining a measurement of the color patch in the target image by measuring, using a color measuring device, a color of the target image based on the spatial information; and

updating the entry in the measurement store to include the measurement.

2. (Original) A method according to Claim 1, wherein the measurement store is an ASCII data file.

3. (Original) A method according to Claim 2, wherein the data file is an IT8-formatted data file.

4. (Original) A method according to Claim 1, wherein the spatial information comprises a location of the color patch in the target image.

5. (Original) A method according to Claim 1, wherein the spatial information comprises color patch size information.

6. (Cancelled)

7. (Currently Amended) A method of integrating characterization information associated with a target image for use with a color reproduction input device comprising:

obtaining a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;

obtaining a digital copy of the target image using the input device; and

updating the entry in the measurement store to include spatial information of the color patch in the target image;

obtaining a measurement of the color patch in the target image based on a retrieved control signal corresponding to a detected color of the color patch in the target image; and

updating the entry in the measurement store to include the control signal, wherein the control signal replaces the color value in the measurement store.

~~according to Claim 6, wherein updating the entry in the measurement store to include the~~

~~control signal further comprising:~~

~~replacing the color value in the measurement store with the control signal.~~

8. (Currently Amended) A method of integrating characterization information associated with a target image for use with a color reproduction input device comprising:

obtaining a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;

obtaining a digital copy of the target image using the input device; and

updating the entry in the measurement store to include spatial information of the color patch in the target image;

obtaining a measurement of the color patch in the target image based on a retrieved control signal corresponding to a detected color of the color patch in the target image; and

updating the entry in the measurement store to add the control signal as an input signal component of the entry.

~~according to Claim 6, wherein updating the entry in the measurement store to include the control signal further comprising:~~

~~adding an input signal component to the entry which comprises the control signal.~~

9. (Original) A method according to Claim 1, wherein the color

reproduction device is a printer, obtaining a measurement of a color patch reproduced by the printer further comprising:

printing the color patch using the printer and the color value of the entry in the measurement store; and
measuring a printed color corresponding to the color patch.

10. (Original) A method according to Claim 1, wherein the color reproduction device is a monitor, obtaining a measurement of a color patch reproduced by the monitor further comprising:

displaying the color patch on the monitor using the color value of the entry in the measurement store; and
measuring a displayed color corresponding to the color patch.

11. (Previously Presented) A method of integrating characterization information associated with a target image for use with a color reproduction device comprising:

obtaining a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;
updating the entry in the measurement store to include spatial information of the color patch in the target image;
obtaining a measurement of the color patch in the target image;
updating the entry in the measurement store to include the measurement;

and

identifying a measurement status using the measurement store.

12. (Original) A method according to Claim 11, wherein an entry format includes a color value component, a spatial component and a measurement component, identifying a measurement status further comprising:

examining the measurement store to determine whether the entry is missing data in at least one of the components.

13. (Original) A method according to Claim 12, wherein examining the measurement store to determine whether the entry is missing data further comprising:

determining whether the entry includes a placeholder representing the missing data.

14. (Original) A method according to Claim 13, wherein the placeholder is a non-numeric placeholder.

15. (Original) A method according to Claim 12, wherein the method further comprising:

initiating measurement at a point of updating the measurement store to include spatial information, if the entry's spatial component is missing all or some portion.

16. (Original) A method according to Claim 12, wherein the method further comprising:

obtaining a measurement of the color patch, if the measurement component is missing all or some portion.

17. (Cancelled)

18. (Previously Presented) A method of integrating characterization information associated with a target image for use with a color reproduction device comprising:

obtaining a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;

updating the entry in the measurement store to include spatial information of the color patch in the target image;

obtaining a measurement of the color patch in the target image;

updating the entry in the measurement store to include the measurement;

generating the color patch in the target image using the color value of the entry in the measurement store, wherein the measurement store is updated to include target dimension information.

19. (Original) A method according to Claim 1, wherein the method further comprising:

generating the target image using the color value to provide input to the output color device.

20. (Original) A method according to Claim 1, wherein the method further comprising:

characterizing the color reproduction device using the measurement store.

21. (Currently Amended) A computer-readable medium which stores computer-executable process steps for integrating characterization information associated with a target image for use with a color reproduction device, the computer-readable process steps comprising:

an obtaining step to obtain a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch, which is used by the color reproduction device to create the target image;

an updating step to update the entry in the measurement store to include spatial information of the color patch in the target image, the spatial information relates to a position of the color patch;

an obtaining step to obtain a measurement of the color patch in the target image by measuring, using a color measuring device, a color of the target image based on the spatial information; and

an updating step to update the entry in the measurement store to include the measurement.

22. (Original) A computer-readable medium according to Claim 21, wherein the measurement store is an ASCII data file.
23. (Original) A computer-readable medium according to Claim 22, wherein the data file is an IT8-formatted data file.
24. (Original) A computer-readable medium according to Claim 21, wherein the spatial information comprises a location of the color patch in the target image.
25. (Original) A computer-readable medium according to Claim 21, wherein the spatial information comprises color patch size information.
26. (Cancelled)
27. (Original) A computer-readable medium which stores computer-executable process steps for integrating characterization information associated with a target image for use with a color reproduction input device comprising:
an obtaining step of obtaining a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;
an obtaining step of obtaining a digital copy of the target image using the input device; and

an updating step of updating the entry in the measurement store to include spatial information of the color patch in the target image;

an obtaining step of obtaining a measurement of the color patch in the target image based on a retrieved control signal corresponding to a detected color of the color patch in the target image; and

an updating step of updating the entry in the measurement store to include the control signal, wherein the control signal replaces the color value in the measurement store.

~~according to Claim 26, wherein the updating step to update the entry in the measurement store to include the control signal further comprising:~~

~~a replacing step to replace the color value in the measurement store with the control signal.~~

28. (Original) A computer-readable medium which stores computer-executable process steps for integrating characterization information associated with a target image for use with a color reproduction input device comprising:

an obtaining step of obtaining a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;

an obtaining step of obtaining a digital copy of the target image using the input device; and

an updating step of updating the entry in the measurement store to include

spatial information of the color patch in the target image;

an obtaining step of obtaining a measurement of the color patch in the target image based on a retrieved control signal corresponding to a detected color of the color patch in the target image; and

an updating step of updating the entry in the measurement store to add the control signal as an input signal component of the entry.

~~according to Claim 26 wherein the updating step to update the entry in the measurement store to include the control signal further comprising:~~

~~an adding step to add an input signal component to the entry which comprises the control signal.~~

29. (Original) A computer-readable medium according to Claim 21 wherein the color reproduction device is a printer, the obtaining step to obtain a measurement of a color patch reproduced by the printer further comprising:

a printing step to print the color patch using the printer and the color value of the entry in the measurement store; and

a measuring step to measure a printed color corresponding to the color patch.

30. (Original) A computer-readable medium according to Claim 21 wherein the color reproduction device is a monitor, the obtaining step to obtain a measurement of a color patch reproduced by the monitor further comprising:

a displaying step to display the color patch on the monitor using the color value of the entry in the measurement store; and

a measuring step to measure a displayed color corresponding to the color patch.

31. (Previously Presented) A computer-readable medium which stores computer-executable process steps for integrating characterization information associated with a target image for use with a color reproduction device, the computer-readable process steps comprising:

an obtaining step to obtain a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;

an updating step to update the entry in the measurement store to include spatial information of the color patch in the target image;

an obtaining step to obtain a measurement of the color patch in the target image;

an updating step to update the entry in the measurement store to include the measurement; and

an identifying step to identify a measurement status using the measurement store.

32. (Original) A computer-readable medium according to Claim 31,

wherein an entry format includes a color value component, a spatial component and a measurement component, the identifying step to identify a measurement status further comprising:

an examining step to examine the measurement store to determine whether the entry is missing data in at least one of the components.

33. (Original) A computer-readable medium according to Claim 32, wherein the examining step to examine the measurement store to determine whether the entry is missing data further comprising:

a determining step to determine whether the entry includes a placeholder representing the missing data.

34. (Original) A computer-readable medium according to Claim 33, wherein the placeholder is a non-numeric placeholder.

35. (Original) A computer-readable medium according to Claim 32, wherein the computer-executable process steps further comprising:

an initiating step to initiate measurement at a point of updating the measurement store to include spatial information, if the entry's spatial component is missing all or some portion.

36. (Original) A computer-readable medium according to Claim 32,

wherein the computer-executable process steps further comprising:

an obtaining step to obtain a measurement of the color patch, if the measurement component is missing all or some portion.

37. (Cancelled)

38. (Previously Presented) A computer-readable medium which stores computer-executable process steps for integrating characterization information associated with a target image for use with a color reproduction device, the computer-readable process steps comprising:

an obtaining step to obtain a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;

an updating step to update the entry in the measurement store to include spatial information of the color patch in the target image;

an obtaining step to obtain a measurement of the color patch in the target image;

a generating step to generate the color patch in the target image using the color value of the entry in the measurement store. and

an updating step to update the entry in the measurement store to include the measurement, wherein the measurement store is updated to include target dimension information.

39. (Original) A computer-readable medium according to Claim 21, wherein the computer-executable process steps further comprising:

a generating step to generate the target image using the color value to provide input to the output color device.

40. (Original) A computer-readable medium according to Claim 21, wherein the computer-executable process steps further comprising:

a characterizing step to characterize the color reproduction device using the measurement store.

41. (Currently Amended) A memory for integrating characterization information associated with a target image for use with a color reproduction device, the memory comprising:

a color component comprising a color value representing a color patch of a target image, the color component being used by the color reproduction device to create the target image;

a spatial component, the spatial component comprising spatial position information of the color patch in the target image, the spatial information relates to a position of the color patch; ~~generated using the color value;~~ and

a measurement component, the measurement component representing a measurement obtained by measuring, using a color measuring device, a color of the color patch of the target image based on the spatial information.

42. (Original) A memory according to Claim 41, wherein the memory is an ASCII data file.

43. (Original) A memory according to Claim 42, wherein the data file is an IT8-formatted data file.

44. (Original) A memory according to Claim 41, wherein the spatial component includes a location of the color patch in the target image.

45. (Original) A memory according to Claim 41, wherein the spatial component includes color patch size information.

46. (Previously Presented) A memory for integrating characterization information associated with a target image for use with a color reproduction device, the memory comprising:

a color component comprising a color value representing a color patch of a target image;

a spatial component, the spatial component comprising position information of the color patch in the target image generated using the color value; and

a measurement component, the measurement component representing a measurement of the color patch, wherein a placeholder is usable in the spatial and measurement components to identify missing data.

47. (Original) A memory according to Claim 46, wherein the placeholder is a non-numeric placeholder.

48. (Original) A memory according to Claim 41, wherein the memory further comprising a format structure including format information of said memory.

49. (Original) A memory according to Claim 48, wherein the format information comprises at least one position tag identifying a data type of an element in the spatial component.

50. (Original) A memory according to Claim 48, wherein the format information includes dimension information of the target image.

51. (Original) A memory according to Claim 48, wherein the format information includes a uniform sizing of color patches in the target image.

52. (Original) A memory according to Claim 48, wherein the format information includes a unit of measure of elements in the spatial component.

53. (Original) A memory according to Claim 41, wherein the memory further comprising:

a signal component comprising a control signal representing a detected color

of the color patch.

54. (Original) A memory according to Claim 53, wherein the signal component is stored in place of the color component.